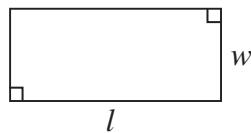


Formula Sheet

Note to Student: You may use these formulas throughout this entire test. Feel free to use this Formula Sheet as needed during your testing time.

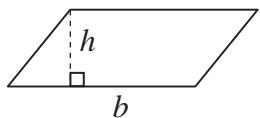
Rectangle



Perimeter $P = 2l + 2w$
 $P = 2(l + w)$

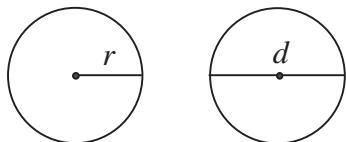
Area $A = lw$

Parallelogram



Area $A = bh$

Circle

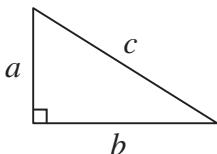


Circumference $C = 2\pi r$
 $C = \pi d$

Area $A = \pi r^2$

Pythagorean Theorem

$$a^2 + b^2 = c^2$$

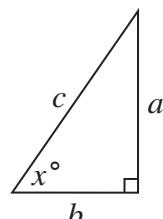


Trigonometric Ratios

$$\sin x = \frac{a}{c}$$

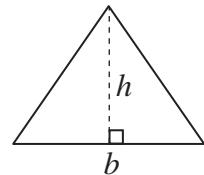
$$\cos x = \frac{b}{c}$$

$$\tan x = \frac{a}{b}$$



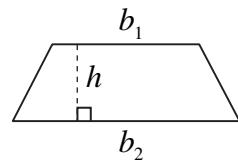
Triangle

Area $A = \frac{1}{2}bh$

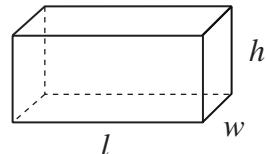


Trapezoid

Area $A = \frac{1}{2}h(b_1 + b_2)$



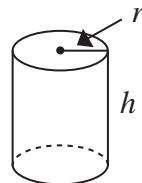
Rectangular Solid



Volume $V = lwh$

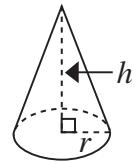
Surface Area $SA = 2lw + 2lh + 2hw$

Cylinder



Volume $V = \pi r^2 h$

Cone



Volume $V = \frac{1}{3}\pi r^2 h$

Other Necessary Information

1 quart \approx 0.95 liters

1 inch = 2.54 centimeters

1 pound \approx 0.45 kilograms

$${}^{\circ}\text{F} = \frac{9}{5}\text{C} + 32$$

$${}^{\circ}\text{C} = \frac{5}{9}(\text{F} - 32)$$